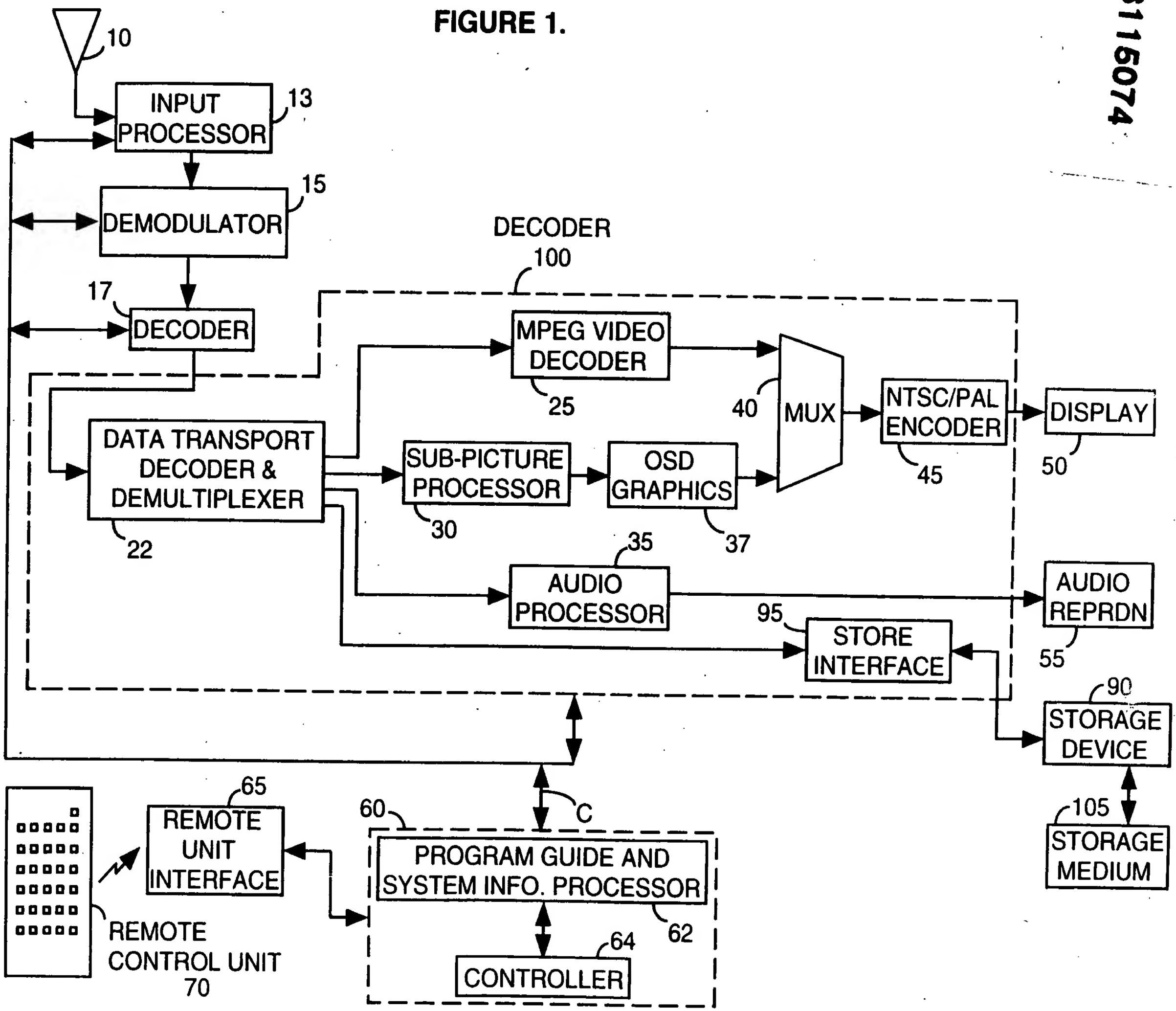
8660h0" 6h9Z5060

APPROVED
BY
DRAFTSMAN
CLASS 348
SUBCLASS 465
O.G. FIG. 10

6116074

FIGURE 1.



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Bit Stream Syntax for the Master Guide Table

Syntax	Bits	Format
master_guide_table_section () {		
table_id	8	0xE0
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
private_section_length	12	uimsbf
table_id_extension	16	0x0000
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	0x00
last_section_number	8	0x00
reserved	3	'111'
CRT _version_number	5	uimsbf
zero	4	'0000'
num_pg	4	uimsbf
for (i =0;i< num_pg;i++) PG(i) {		
application_time	40	uimsbf
duration	16	uimsbf
reserved	2	'11'
CIT _flag	1	blsbf
num_bytes	21	uimsbf
reserved	3	'111'
PID_PG [i]	13	uimsbf
reserved	3	'111'
PID_ETT [i]	13	uimsbf
reserved	4	uimsbf
PG _descriptors_length	12	uimsbf
for(j = 0;i< M;j++)		
descriptor ()	var	
}		
reserved	4	uimsbf
descriptors_length	12	uimsbf
for (i = 0;i< N;j++)		
descriptor ()	var	
CRC _32	32	rpchof
}		

220 215 210 205

FIGURE 2

0050704 - 0050705

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Bit Stream Syntax for the Channel Information Table

Syntax	Bits	Format
channel_guide_table_section () {		
table_id	8	0xE3
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
table_id_extension	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	uimsbf
last_section_number	8	uimsbf
num_channels_in_section	8	uimsbf
for (k=0; k<num_channels_in_section;k ++) cha_info(k){		
short_name	8*6	ISO-639
channel_visibility	32	bslbf
bundle_channel_number{		
bundle_number	12	uimsbf
channel_number_in_bundle	12	uimsbf
}		
Channel_PTC	8	uimsbf
channel_id	16	uimsbf
channel_type	8	uimsbf
reserved	3	'111'
ETM_flag	1	bslbf
descriptors_length	12	uimsbf
for (i=0;i<N;i++){		
descriptors()		
}		
}		
CRC_32	32	rpchof
}		

340 300 305 315 320 325 330 335

FIGURE 3

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Bit Stream Syntax for the Service Location Descriptor

	Syntax	Bits	Format
	service_location_descriptor () {		
	descriptor_tag	8	uimsbf
405	**descriptor_length**	8	uimsbf
	program_number	16	uimsbf
410	**reserved**	3	'111'
	PCR_PID	13	uimsbf
	number_PIDs	8	uimsbf
415	for (i=1;i<number_PIDs;i++){		
	stream_type	8	uimsbf
420	**reserved**	3	bslbf
	elementary_PID	13	uimsbf
	ISO_639_language_code	8*3	uimsbf
425	}		
	}		

FIGURE 4

0505648 - 0404060

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Bit Stream Syntax for the Service Location Descriptor

Syntax		Bits	Format
extended_text_table_section	() {		
table_id		8	0xE5
section_syntax_indicator		1	'0'
private_indicator		1	'1'
reserved		2	'11'
private_section_length		12	uimsbf
ETM_id		32	bslbf
extended_text_message	()	var	
}			

510 505

FIGURE 5

Bit	1 2	3 18	19 32
channel ETM_id	0 0	channel_id	111.....111
event ETM_id	1 0	channel_id	event_id

610 605

FIGURE 6

09/25/2004 "64.6.0.0"

APPROVED O.G. FIG
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CANCELLED

Bit Stream Syntax for the Service Location Descriptor

Syntax	Bits	Format
multiple_compressed_strings () {		
number_strings	8	uimsbf
for (i = 0;i< number_strings;i++) {		
number_bytes	16	uimsbf
ISO_639_language_code	8*3	uimsbf
coding_indicator	8	bslbf
compression_type	8	uimsbf
for (j = 0;j<number_bytes;j++)		
compressed_string_bype [j]	8	uimsbf
}		
}		

725 720 715 710 705

FIGURE 7

compression_type	compression method
0x00	No compression
0x01	Huffman coding based on the default Huffman table
0x02	LZW
0x03 to 0xAF	reserved
0xB0 to 0xFF	user private

FIGURE 8

coding_indicator	coding method
0x00	Unicode
0x01	Latin-1
0x02	Latin-2
0x03 to 0xAF	reserved
0xB0 to 0xFF	user private

FIGURE 9

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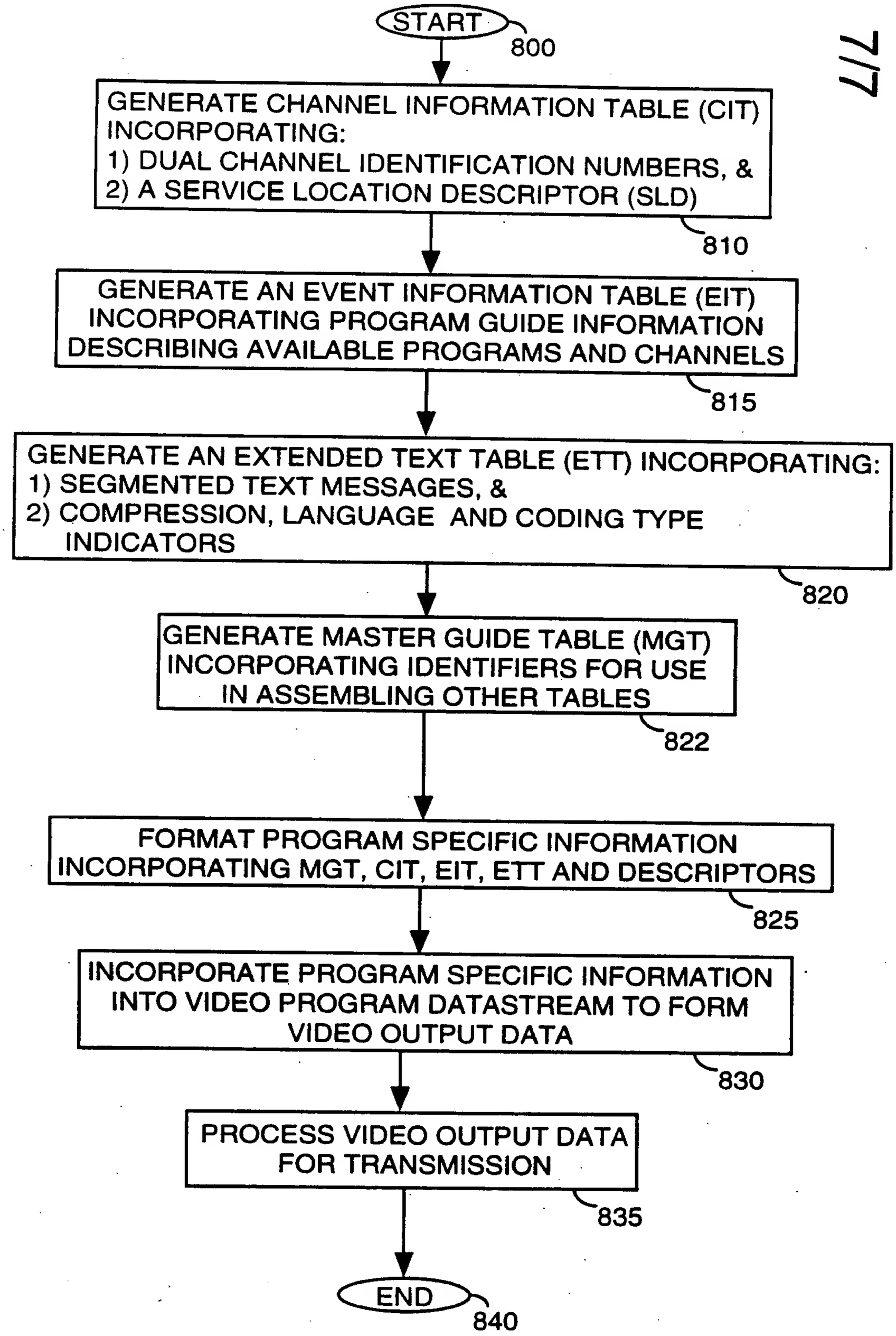
FIGURE 10



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